

EXHIBIT 63

APPENDIX L.2 - Vendor Hierarchy Usage with Modes

Command Hierarchy	# Vendors Supporting	ADTRAN	Command Mode	Alcatel/ALU	Command Mode	Allied Telesis	Command Mode
aaa	13	✓	Global Configuration Mode [ARISTANDCA13178601] Page 1081	✓	Global Configuration Mode [ARISTANDCA13187525] Page 292	✓	Global Configuration Mode [ARISTANDCA13185473] Page 298
bgp	8	✓	BGP Router Mode [ARISTANDCA13178601] Page 3829				
clear	18	✓	Enable Mode [ARISTANDCA13178601] Page 102	✓	User EXEC Mode / Privileged EXEC Mode [ARISTANDCA13187525] Page 414 / 349	✓	Privileged EXEC Mode / User EXEC Mode [ARISTANDCA13185473] Page 58 / 107
dot1x	13			✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13187525] Page 292	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13185473] Page 367 / 369
ip	18	✓	BGP Router Mode / Global Configuration Mode / Enable Mode / Interface Configuration Mode [ARISTANDCA13178601] Page 35 / 4179 / 458 / 2066	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13187525] Page 322 / 440	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13185473] Page 24 / 135 / 97
ipv6	17	✓	Global Configuration Mode / Enable Mode / Interface Configuration Mode [ARISTANDCA13178601] Page 4139 / 460 / 2112	✓	ipv6 CLI Commands [ARISTANDCA13189829] Page 932 NO MODE SPECIFIED	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13185473] Page 29 / 145
neighbor	14	✓	BGP Router Mode / BGP Address Family Mode [ARISTANDCA13178601] Page 3841 / 3851				
show	18	✓	Enable Mode / Basic Mode [ARISTANDCA13178601] Page 15 / 62	✓	Global Configuration Mode / User EXEC Mode / Privileged EXEC Mode [ARISTANDCA13187525] Page 528 / 494 / 279	✓	Privileged EXEC Mode / User EXEC Mode [ARISTANDCA13185473] Page 37 / 81
snmp-server	17	✓	Global Configuration Mode [ARISTANDCA13178601] Page 1085	✓	Global Configuration Mode [ARISTANDCA13187525] Page 554	✓	Global Configuration Mode [ARISTANDCA13185473] Page 245
spanning-tree	15	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13178601] Page 1085 / 2041	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC [ARISTANDCA13187525] Page 574	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13185473] Page 256 / 259
vrrp	8	✓	Interface Configuration Mode [ARISTANDCA13178601] Page 2042	✓	VRRP CLI Commands [ARISTANDCA13206391] Page 1852 NO MODE SPECIFIED		

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Avaya	Command Mode	Brocade	Command Mode	Dell (incl. Force10)	Command Mode	D-Link
		✓	Global Configuration Mode [ARISTANDCA_BROCADE01742302] Page 47/48	✓	Global Configuration Mode [DELL-ANETSUB00122116] Page 2	✓
✓	BGP Routing Configuration Mode [ARISTANDCA_AVAYA00031076] Page 138			✓	BGP Router Configuration Mode [DELL-ANETSUB00131695] Page 152/154	✓
✓	Privileged EXEC Mode / Interface Configuration Mode / Global Configuration Mode [ARISTANDCA_AVAYA00084952] Page 53 / 41 / 44	✓	Privileged EXEC Mode [ARISTANDCA_BROCADE01742302] Page 132	✓	Privileged EXEC Mode [DELL-ANETSUB00122116] Page 25	✓
		✓	Interface Configuration Mode / Global Configuration Mode / Privileged EXEC Mode [ARISTANDCA_BROCADE01742302] Page 304 / 305 / 308	✓	Global Configuration Mode / Interface Configuration Mode [DELL-ANETSUB00131695] Page 919 / 928	✓
✓	Privileged EXEC Mode / Interface Configuration Mode / Global Configuration Mode [ARISTANDCA_AVAYA00084952] Page 14	✓	Interface Configuration Mode / Controller Configuration Mode / RBridge ID configuration mode / Interface Subtype Configuration Mode [ARISTANDCA_BROCADE01742302] Page 427 / 428 / 431 / 435	✓	Interface Configuration Mode / Global Configuration Mode [DELL-ANETSUB00122116] Page 90 / 6	✓
✓	Interface Configuration Mode / Global Configuration Mode [ARISTANDCA_AVAYA00084952] Page 15	✓	Interface Configuration Mode / Global Configuration Mode / RBridge ID configuration mode / Interface Subtype Configuration Mode [ARISTANDCA_BROCADE01742302] Page 495 / 497 / 499 / 490	✓	Interface Configuration Mode / Global Configuration Mode [DELL-ANETSUB00131695] Page 482/343	✓
✓	OSPF Routing Configuration Mode / BGP Routing Configuration Mode [ARISTANDCA_AVAYA00031076] Page 807 / 808	✓	BGP configuration mode BGP address-family IPv4 unicast configuration mode BGP address-family IPv6 unicast configuration mode / OSPF VRF router configuration mode / [ARISTANDCA_BROCADE01742302] Page 653 / 655 /	✓	Router BGP Configuration Mode / IPv6 Address Family Configuration mode [DELL-ANETSUB00131695] Page 1162 / 1209	✓
✓	User EXEC Mode / Privileged EXEC Mode / Global Configuration Mode [ARISTANDCA_AVAYA00084952] Page 63 / 54 / 589	✓	Privileged EXEC Mode [ARISTANDCA_BROCADE01742302] Page 880	✓	Privileged EXEC Mode [DELL-ANETSUB00122116] Page 7	✓
✓	Global Configuration Mode [ARISTANDCA_AVAYA00084952] Page 1054	✓	Global Configuration Mode [ARISTANDCA_BROCADE01742302] Page 1510	✓	Global Config [DELL-ANETSUB00122116] Page 165	✓
✓	Interface Configuration Mode / Global Configuration Mode [ARISTANDCA_AVAYA00084952] Page 33	✓	Interface Subtype Configuration Mode [ARISTANDCA_BROCADE01742302] Page 1526	✓	Global Configuration Mode / Interface Configuration Mode [DELL-ANETSUB00122116] Page 174 / 739	✓
				✓	Interface Configuration Mode [DELL-ANETSUB00131695] Page 1798	✓

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Command Mode	Edge-Core	Command Mode	Ericsson	Command Mode	Extreme Net. (incl. Enterasys)
Global Configuration Mode [DKS 00051254] Page 93	✓	Global Configuration Mode [EC001178] Page 197			✓
Router Configuration Mode [DKS 00051254] Page 147	✓	Router Configuration Mode [EC004411] Page 1076			✓
Privileged EXEC Mode [DKS 00051254] Page 29	✓	Privileged EXEC Configuration Mode [EC001178] Page 125	✓	Privileged EXEC Mode [ARISTANDCA13256136] Page 748	✓
Interface Configuration Mode / Privileged EXEC Mode / Global Configuration Mode [ARISTANDCA13251549] Page 30 / 31	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [EC001178] Page 220	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13256136] Page 674/675	✓
Interface Configuration Mode / Global Configuration Mode [DKS 00051254] Page 121 / 580	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [EC001178] Page 205 / 277 / 279	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13256136] Page 1018/1016	✓
Interface Configuration Mode / Global Configuration Mode [DKS 00051254] Page 129 / 50	✓	Global Configuration Mode / Interface Configuration Mode [EC001178] Page 281 / 285			✓
Router Configuration Mode / Address Family Configuration Mode (IPv4 unicast, VPNv4 and VRF) [DKS 00051254] Page 173	✓	RIP Router Configuration Mode / BGP Router Configuration Mode [EC004411] Page 971 / 1095	✓	Router Configuration Mode [ARISTANDCA13256136] Page 1040	✓
User EXEC or Any Configuration Mode [DKS 00051254] Page 25	✓	Normal EXEC Mode / Privileged EXEC Mode [EC001178] Page 74	✓	Normal EXEC Mode, Privileged EXEC Mode [ARISTANDCA13256136] Page 961	✓
Global Configuration Mode [DKS 00051254] Page 236	✓	Global Configuration Mode / Interface Configuration Mode [EC001178] Page 153 / 401	✓	Global Configuration Mode [ARISTANDCA13256136] Page 613/614	✓
Global Configuration Mode / Interface Configuration Mode [DKS 00051254] Page 253 / 741	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [EC001178] Page 426 / 447 / 450	✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13256136] Page 796 / 810 / 820	✓
Interface Configuration Mode [DKS 00051254] Page 1554	✓	Interface Configuration Mode [EC001178] Page 948	✓	Interface Configuration Mode [ARISTANDCA13256136] Page 1000	✓

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Command Mode	Foundry Networks	Command Mode	HP	Command Mode	ISCLI (Lenovo, IBM, BNT)
Global Configuration Mode [EXNET-ARISTA0054421] Page 24	✓	Global Configuration Mode [ARISTANDCA_BROCADE313978] Page 37	✓	Global Configuration Mode [HPE93160] Page 202	
Global BGP Configuration Mode [EXNET-ARISTA0034418] Page 27-2			✓	BGP Routing Configuration Mode [HPE93160] Page 706	
User EXEC Mode / Privileged EXEC Mode [EXNET-ARISTA0054421] Page 24	✓	Privileged EXEC Mode / Global Configuration Mode / Interface Configuration Mode [ARISTANDCA_BROCADE313978] Page 34 / 38 / 46	✓	Enable Command Mode [HPE93160] Page 22	✓
Interface Configuration Mode [EXNET-ARISTA0057033] Page 528	✓	Privileged EXEC Mode / Global Configuration Mode / Interface Configuration Mode [ARISTANDCA_BROCADE00012094] Page 34 / 37 / 46	✓	Global Configuration Mode / Interface Configuration Mode [NoBatesHP002] 2005.05 - 9408sl-9300m-CLI-Jun2005-59906031.pdf Page 207 / 152	✓
Global Configuration Mode / Interface Configuration Mode [EXNET-ARISTA0054421] Page 25 / 379	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA_BROCADE313978] Page 39 / 46	✓	Global Configuration Mode / Interface Configuration Mode ARISTANDCA00270741 Page 253 / 454	✓
Global IPv6 Configuration Mode / Interface IPv6 Configuration Mode [EXNET-ARISTA0034418] Page 44-3 / 44-13	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA_BROCADE00012094] Page 40 / 48	✓	Global Configuration Mode / interface Configuration Mode [NoBatesHP002] 2005.05 - 9408sl-9300m-CLI-Jun2005-59906031.pdf Page 265 / 388	✓
OSPF Routing Mode [EXNET-ARISTA0047042] Page 771	✓	Router Configuration Mode (RIP Level) / (BGP) / Global BGP and BGPv4 Unicast Address Level / Address Family Configuration Mode / IPv6 BGP [ARISTANDCA_BROCADE00012094] Page 52 / 57-59	✓	BGP Router Configuration Mode [HPE48032] Page 313-314	✓
User EXEC Mode / Privileged EXEC Mode / Global Config Mode / Interface Configuration Mode [EXNET-ARISTA0054421] Page 24/25/25/379	✓	User EXEC Mode / Privileged EXEC Mode / Global Configuration Mode / Interface Configuration Mode [ARISTANDCA_BROCADE313978] Page 33-34 / 44 / 47	✓	Basic Command Mode / Enable Command Mode [HPE93160] Page 15	✓
Global Configuration Mode [EXNET-ARISTA0054421] Page 25	✓	Global Configuration Mode [ARISTANDCA_BROCADE313978] Page 44	✓	Global Configuration Mode [HPE93160] Page 334	✓
Global Configuration Mode / Interface Configuration Mode [EXNET-ARISTA0054421] Page 25 / 379	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA_BROCADE313978] Page 44 / 47	✓	Global Configuration Mode / Interface Configuration Mode [HPE93160] Page 346 / 478	✓
Virtual Server Configuration Mode / Interface Configuration Mode [EXNET-ARISTA0047042] Page 719 / 806					

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Command Mode	Juniper JUNOSE	Command Mode	NETGEAR	Command Mode	NextHop Techs.
	✓	Global Configuration Mode [ARISTANDCA13290090] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (A-M).pdf Page 19	✓	Global Configuration Mode [ARISTANDCA13350585] Page 649	
	✓	Router Configuration Mode / Address Family Configuration Mode [ARISTANDCA13290090] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (A-M).pdf Page 89 / 93			✓
Privileged EXEC Mode / Global Configuration Mode [LENOVO-ARISTA000001] Page 543	✓	Privileged EXEC Mode / User EXEC Mode [ARISTANDCA13290090] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (A-M).pdf Page 116 / 121	✓	Privileged EXEC Mode / User EXEC Mode / Global Configuration Mode [ARISTANDCA13350585] Page 542 / 137 / 82	✓
Global Configuration Mode / Interface Configuration Mode [LENOVO-ARISTA000001] Page 337 / 340			✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13350585] Page 78/76/76	
Global Configuration Mode / Interface Configuration Mode [LENOVO-ARISTA000001] Page 272 / 380	✓	Interface Configuration Mode / Profile Configuration Mode / Global Configuration Mode [ARISTANDCA13290090] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (A-M).pdf Page 203 / 203 / 204	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13350585] Page 132	✓
Global Configuration Mode / Interface Configuration Mode [LENOVO-ARISTA000001] Page 378 / 380	✓	Interface Configuration Mode / Global Configuration Mode [ARISTANDCA13290090] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (A-M).pdf Page 260	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13350585] Page 354 / 355	✓
BGP Router Mode / OSPFv3 Router Mode [LENOVO-ARISTA000001] Page 407/457	✓	Router Configuration Mode / Address Family Configuration Mode [ARISTANDCA13290444] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (N-Z).pdf Page 19 / 20			✓
User EXEC Mode / Privileged EXEC Mode / Global Configuration Mode [LENOVO-ARISTA000001] Page 31	✓	Privileged EXEC Mode / User EXEC Mode [ARISTANDCA13290444] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (N-Z).pdf Page 143 / 147	✓	Privileged EXEC Mode / User EXEC Mode / Global Configuration Mode [ARISTANDCA13350585] Page 167 / 38 / 116	✓
Global Configuration Mode [LENOVO-ARISTA000001] Page 279	✓	Global Configuration Mode [ARISTANDCA13290444] 2003.05 - Juniper ERX Edge Routers Command Reference Guide (N-Z).pdf Page 270	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13350585] Page 660 / 662	
Global Configuration Mode / Interface Configuration Mode [LENOVO-ARISTA000001] Page 336 / 307			✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13350585] Page 28	

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Command Mode	Procket Networks	Command Mode	Sun/Oracle	Command Mode
	✓	Privileged Configuration Command Mode [ARISTANDCA13357279] Page 289		
BGP Router Configuration Mode [ARISTANDCA13352468] Page 203				
User EXEC Mode / Privileged EXEC Mode [ARISTANDCA13352468] Page 152 / 153	✓	Privileged Operations Command Mode [ARISTANDCA13357279] Page 183	✓	Global Configuration Mode / Privileged EXEC Mode [ARISTANDCA13363443] Page 110 / 114
			✓	Global Configuration Mode / Interface Configuration Mode / Privileged EXEC Mode [ARISTANDCA13363036] Page 150/150/151
Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13352468] Page 67 / 154	✓	Privileged Configuration Command Mode / Privileged Interface Configuration Mode [ARISTANDCA13357279] Page 289 / 378	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13363443] Page 50 / 51
Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13352468] Page 172 / 157	✓	Privileged Configuration Command Mode / Privileged Interface Configuration Mode [ARISTANDCA13357095] Page 37 / 36	✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13363443] Page 254 / 581
BGP Router Configuration Mode / Address Family Configuration Mode [ARISTANDCA13352468] Page 252 / 250	✓	Privileged Router Mode [ARISTANDCA13357095] Page 166		
User EXEC Mode / Privileged EXEC Mode / Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13352468] Page 82	✓	Non-Privileged Operations Command Mode / Privileged Operations Command Mode [ARISTANDCA13357279] Page 37 / 38	✓	Privileged EXEC Mode / User EXEC Mode [ARISTANDCA13363443] Page 52 / 598
	✓	Privileged Configuration Command Mode [ARISTANDCA13357279] Page 490	✓	Global Configuration Mode [ARISTANDCA13363443] Page 455
			✓	Global Configuration Mode / Interface Configuration Mode [ARISTANDCA13363443] Page 97 / 105